

**From:** Ex. 6 Personal Privacy (PP)  
**Sent:** 7/29/2020 6:19:02 PM  
**To:** Pavuk, Marian (ATSDR/DTHHS/EEB) [fsh8@cdc.gov]; Strynar, Mark [Strynar.Mark@epa.gov]  
**Subject:** RE: Question re to Chemours  
**Attachments:** ATT00001.txt

Incorporation of the military wastewater treatment plant may explain the elevated PFOS

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**From:** Pavuk, Marian (ATSDR/DTHHS/EEB) <fsh8@cdc.gov>  
**Sent:** Wednesday, July 29, 2020 2:02 PM  
**To:** Linda Birnbaum <birnbaum.tox@outlook.com>; Strynar.Mark@epa.gov  
**Subject:** RE: Question re to Chemours

## Ex. 5 Deliberative Process (DP)

Interestingly, city of Anniston incorporated Ft. McClennan waste water treatment plant into their system after 1996 BRAC of the base.

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**From:** Linda Birnbaum <Ex. 6 Personal Privacy (PP) m>  
**Sent:** Wednesday, July 29, 2020 1:54 PM  
**To:** Pavuk, Marian (ATSDR/DTHHS/EEB) <fsh8@cdc.gov>; Strynar.Mark@epa.gov  
**Subject:** RE: Question re to Chemours

This is good information – still wonder if a trip to Anniston to get some water would be worthwhile...

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**From:** Pavuk, Marian (ATSDR/DTHHS/EEB) <fsh8@cdc.gov>  
**Sent:** Wednesday, July 29, 2020 1:50 PM  
**To:** Linda Birnbaum <Ex. 6 Personal Privacy (PP) >; Strynar.Mark@epa.gov  
**Subject:** RE: Question re to Chemours

Linda, Mark,

## Ex. 5 Deliberative Process (DP)

Anniston uses different water system with intakes in areas away from the Coosa Valley. There is history of building this system on their webpage. <http://www.awwsb.org/Default.asp?ID=167> including water treatment plants.

Water source locations and 'recent report' don't list any PFAS as far as I can tell.  
[http://www.awwsb.org/Sites/Anniston Water Works/Documents/ccr/awwsb-ccr.pdf](http://www.awwsb.org/Sites/Anniston%20Water%20Works/Documents/ccr/awwsb-ccr.pdf)

**From:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Sent:** Wednesday, July 22, 2020 3:55 PM  
**To:** Linda Birnbaum [Ex. 6 Personal Privacy (PP)]>  
**Subject:** Re: Question re to Chemours

I can measure what is in it. FYI I found  
this <http://adem.alabama.gov/programs/water/drinkingwater/files/Q1PFASDetections.pdf>

## Ex. 5 Deliberative Process (DP)

Mark

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**From:** Linda Birnbaum [Ex. 6 Personal Privacy (PP)]>  
**Sent:** Friday, July 24, 2020 12:29 PM  
**To:** Michael Petriello [Ex. 6 Personal Privacy (PP)]>  
**Cc:** Pavuk, Marian (ATSDR/DTHHS/EEB) <fsh8@cdc.gov>  
**Subject:** FW: Question re to Chemours

Mike,

I've been trying to figure out where the GenX in Anniston may have come from. So, I contacted Mark Strynar of EPA who is one of the real gurus on PFAS in water. I'm sure you've seen much of this work.

Anyhow, I'm forwarding to you his comments – he has some good ones re methodology that Andrew uses and some questions. Marian is thinking of driving over to Anniston and taking a few drinking water samples which Mark said he would be happy to measure for us.

Love your comments and please do share with Andrew.

Linda  
Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S.  
Scholar in Residence, Duke University  
Scientist Emeritus and Former Director

Ex. 6 Personal Privacy (PP)

919-280-2884

**From:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Sent:** Thursday, July 23, 2020 8:23 AM  
**To:** Linda Birnbaum <birnbaum.tox@outlook.com>  
**Subject:** Re: Question re to Chemours

Linda,

I gave the paper a read and the methods section.

Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

Mark

Dr. Mark Strynar  
US EPA/ORD/CEMM  
[strynar.mark@epa.gov](mailto:strynar.mark@epa.gov)  
(office) 919-541-3706  
(mobile) Ex. 6 Personal Privacy (PP)

**From:** Linda Birnbaum Ex. 6 Personal Privacy (PP) >  
**Sent:** Wednesday, July 22, 2020 4:01 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Subject:** RE: Question re to Chemours

Here's the description, so far, in the paper we're working on re to the method....Please don't share yet..

*PFAS extraction and quantitation*

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

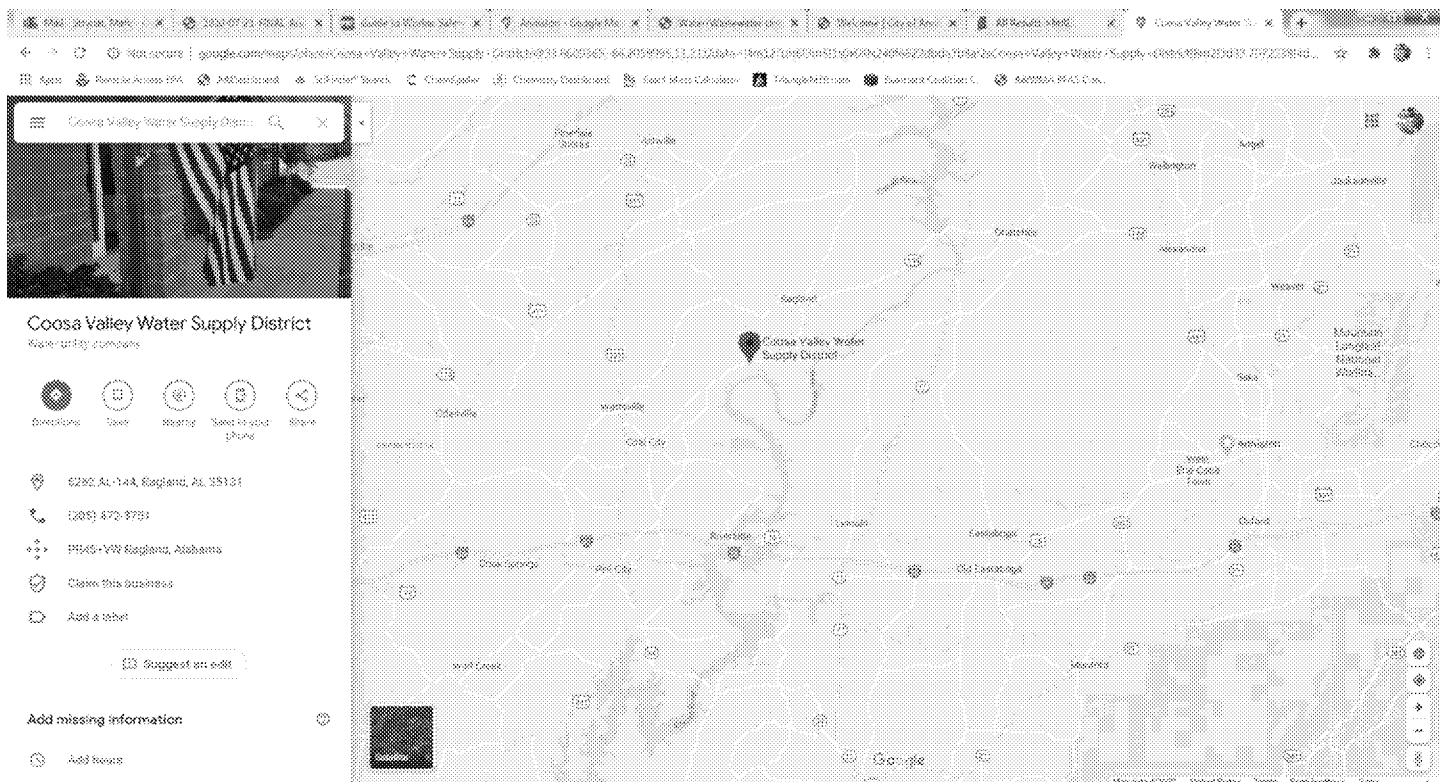
Love your thoughts...

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**From:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Sent:** Wednesday, July 22, 2020 3:55 PM  
**To:** Linda Birnbaum <Ex. 6 Personal Privacy (PP)>  
**Subject:** Re: Question re to Chemours

I can measure what is in it. FYI I found  
this <http://adem.alabama.gov/programs/water/drinkingwater/files/Q1PFASDetections.pdf>

Coosa Valley Water Supply District is close to Anniston, A Ex. 5 Deliberative Process (DP) e  
Ex. 5 Deliberative Process (DP) I will keep digging.  
Mark



Monday, April 20, 2020 Page 2 of 7

System Name	PWSID	Source Name	Analyte Name	Collection Date	PPT
COOSA VALLEY WATER SUPPLY DISTRICT	AL0001805	TREATMENT PLANT			
			PFBS	2/19/2020	59.0
			PFOS	2/19/2020	15.0
			PFOA	2/19/2020	11.0
			PFHpA	2/19/2020	4.8
			PFHxA	2/19/2020	14.0
			PFBS	3/11/2020	34.0
			PFOS	3/11/2020	10.0
			PFOA	3/11/2020	7.6
			PFHxA	3/11/2020	8.9
FIVE STAR WATER SUPPLY DISTRICT	AL0001780	FIVE STAR TREATMENT PLANT			

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**From:** Linda Birnbaum <Ex. 6 Personal Privacy (PP)>  
**Sent:** Wednesday, July 22, 2020 3:48 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Subject:** RE: Question re to Chemours

I'll try to find the link for the methods and get that to you.

I can ask where the people get their drinking water.

And I think one of us may need to go to Anniston and sample the water!

All good ideas!

Thx, Linda

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**From:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Sent:** Wednesday, July 22, 2020 3:46 PM  
**To:** Linda Birnbaum <Ex. 6 Personal Privacy (PP)>  
**Subject:** Re: Question re to Chemours

Hi Linda,

I saw that in your exchange with Sue. I was just looking around on Google Maps at Anniston, AL.

Is this in serum? We have not yet found it in any human serum samples thus far. Could I check out the data and supporting info you are getting with these detection's.

As far as where it may be coming from do you know if the people get drinking water from the Coosa river. I see it flows right by the area. The Coosa starts in Rome GA which has been shown in the past to be contaminated with PFAS due to work going on upstream in Dalton, GA the carpet capital of the world. Can you get a drinking water sample to check for PFAS from the area? It is way upstream but just a thing to rule out.

I don't know if any waste trucks come by this area that may haul HPFO-DA.

Mark

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**From:** Linda Birnbaum <Ex. 6 Personal Privacy (PP)>  
**Sent:** Wednesday, July 22, 2020 2:56 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Subject:** Question re to Chemours

Not sure if I've told you that we have found GenX in ~9% of our cohort in Anniston, AL. Sue Fenton thought you might know if the Chemours truck stops there. We have no idea where these people would get it from – and it was ~2% of population in 2005-7. This is our study looking at PCBs, dioxins, etc. in Anniston – place where PCBs were made from 1929—71....

Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S.

Scientist Emeritus and Former Director

National Institute of Environmental Health Sciences and National Toxicology Program

**Ex. 6 Personal Privacy (PP)**

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